

09/9/4077

ABSTRACT

An information carrier in which an IC element formed integrally with a coil is mounted and which has an extended communication range and a method of manufacturing the same and a structure of the IC element appropriately suited for this sort of information carrier and a method of manufacturing the same. In the IC element, a conductor constituting the coil 3 is implemented in a multilayer structure including a metal-sputtered layer or alternatively a metal-evaporated layer 6 and a metal-plated layer 7. In the method of manufacturing the IC element, a precision electroforming method is employed as a means for forming the metal-plated layer 7. The information carrier is implemented in such a structure in which the IC element 1 is disposed at a center portion in a planar direction of a substrate 21. In a method of manufacturing the information carrier, strip material or materials 41 to 45 a given one of which has mounted thereon desired parts inclusive of the IC elements are manufactured, whereon desired information carriers 20a, ..., 20h are formed by punching the strip material(s).

REF ID: A66666